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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/589,151	12/27/2007	Yuquan Song	09331.0061USWO	6792
23552	7590	06/22/2011		
MERCHANT & GOULD PC P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			EXAMINER SULLIVAN, DEBRA M	
			ART UNIT 3725	PAPER NUMBER
			MAIL DATE 06/22/2011	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/589,151	Applicant(s) SONG ET AL.	
	Examiner DEBRA SULLIVAN	Art Unit 3725	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 August 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>11/13/2006</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitations "the upper and lower ends" in line 4, "the hydraulic pressure chamber in lines 9-10, "the hydraulic pressure chamber" in line 11, "the plunger" in line 12, "the hold down slide block" in line 13, "the upper surface" in lines 14-15, and "the upper end" in line 16. There is insufficient antecedent basis for these limitations in the claim.

Claim 3 recites the limitations "the air pressure" in line 2, "the high pressure nitrogen" in lines 2-3, "the gasbag" in line 3, "the hydraulic pressure" in line 4, and "the high pressure oil" in lines 4-5. There is insufficient antecedent basis for these limitations in the claim.

Claim 4 recites the limitation "the upper and lower hydraulic chambers" in lines 3— There is insufficient antecedent basis for this limitation in the claim. Furthermore, the phrase "are connected each other" found in line 5 of claim 4 appears to be idiomatic English, correction is needed.

Claim 5 recites the limitation "the maximal space" in line 5. There is insufficient antecedent basis for this limitation in the claim.

The limitation "a snap ring groove is provided at the upper end of the plunder of the ejecting cylinder" in lines 2-3 renders the claim indefinite because it is unclear if applicant is

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further defining the hydraulic press to have an snap ring groove in addition to the snap ring groove of claim 1 or is applicant is further defining the snap ring groove already claimed in claim 1.

Claim 7 recites the limitations "the water-cooling jackets" in line 2, "the outerwalls" in line 3, "the upper and lower ends" in line 7, and "the upper and lower ends" in line 10. The limitations "a connecting pipe and a connecting pipe are provided at the upper and lower ends of the water-cooling jacket" in line 6-7 and 9-10 does not clearly set forth the connection between the ends and the pipes. Correction is required, a correction suggestion is: a connecting pipe provided at an upper end and a connecting pipe provided at a lower end of the water-cooling jacket.

Claim 8 recites the limitations "the upper and lower ends" and "the water-cooling jacket" in line 3 "the upper and lower ends" and "the water-cooling jacket" in line 5, "the upper and lower ends" and "the water-cooling jacket" in line 7, "the water outlets" in line 9, and "the water inlets" in line 10. The limitation "a water inlet and a water inlet are provided at the upper and lower ends of the water-cooling jacket of the gas-liquid power accumulator respectively" in lines 4-6 renders the claim indefinite because it is unclear how the water-cooling jacket has an inlet at both ends and no outlet.

Allowable Subject Matter

Claims 1-10 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Debra Sullivan whose telephone number is (571) 272-1904. The examiner can normally be reached Monday - Friday 8am - 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dana Ross can be reached at (571) 272-4480. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Debra M Sullivan/
Primary Examiner, Art Unit 3725